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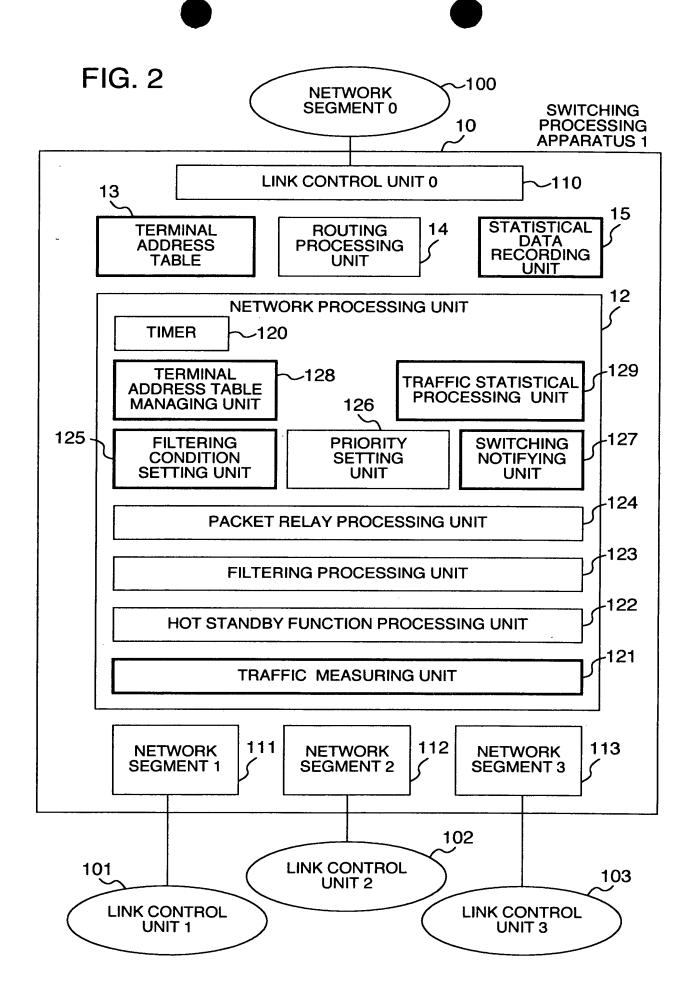


FIG. 3 **-300 NETWORK SEGMENT 10** 30 PACKET RELAY **APPARATUS 1 LINK CONTROL UNIT 10 -310** SHAPING PROCESSING UNIT -35 TRAFFIC MEASURING UNIT -34 **ROUTING** -33 **PROCESSING UNIT** 32 **NETWORK PROCESSING UNIT** ADDRESS TRANSLATING UNIT -325 TRAFFIC MEASUREMENT RESULT NOTIFYING UNIT 324 **SWITCHING -323** DETECTING **UNIT** 322 **QoS PROCESSING UNIT** 321 PACKET RELAY PROCESSING UNIT LINK CONTROL UNIT 0 -31 301 **NETWORK SEGMENT 0**

FIG. 4

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| F SWITCHII | |
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| $\overline{}$ | PROCESSING / |
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| NETWORK SEGMENT 3 | ADDRESS OF TERMINAL 9 | |
|----------------------|--------------------------|------------|
| NETWORK | ADDRESS OF | ADDRESS OF |
| SEGMENT 2 | TERMINAL 5 | TERMINAL 6 |
| NETWORK | ADDRESS OF | ADDRESS OF |
| SEGMENT 1 | TERMINAL 1 | TERMINAL 2 |

TERMINAL ADDRESS TABLE OF SWITCHING PROCESSING APPARATUS 2

| NETWORK SEGMENT 3 | ADDRESS OF TERMINAL 10 | |
|----------------------|---------------------------|--|
| NETWORK SEGMENT 2 | ADDRESS OF TERMINAL 7 | |
| NETWORK SEGMENT 1 | ADDRESS OF TERMINAL 3 | |

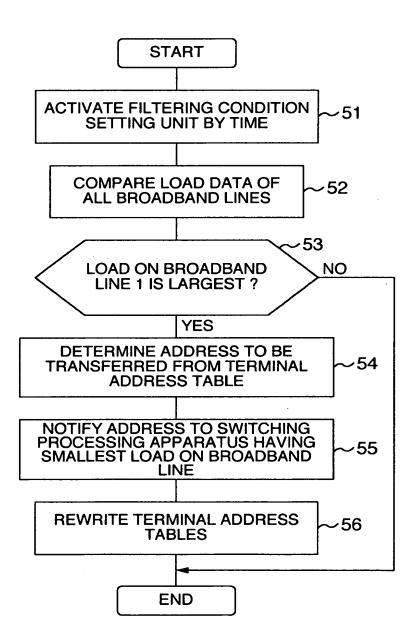
| OF SWITCHING | APPARATUS 1 |
|------------------------|-------------|
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| ADDRESS TABLE OF SWIT(| PROCESSING |
| TERMINAL / | PRC |

| NETWORK | NETWORK | NETWORK |
|------------|--------------------------|------------|
| SEGMENT 1 | SEGMENT 2 | SEGMENT 3 |
| ADDRESS OF | ADDRESS OF | ADDRESS OF |
| TERMINAL 1 | TERMINAL 5 | TERMINAL 9 |
| | ADDRESS OF TERMINAL 6 | |

TERMINAL ADDRESS TABLE OF SWITCHING PROCESSING APPARATUS 2

| NETWORK | NETWORK | NETWORK |
|--------------------------|------------|-------------|
| SEGMENT 1 | SEGMENT 2 | SEGMENT 3 |
| ADDRESS OF | ADDRESS OF | ADDRESS OF |
| TERMINAL 3 | TERMINAL 7 | TERMINAL 10 |
| ADDRESS OF TERMINAL 2 | | |

FIG. 5



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FIG. 6

